

ZEB



ZEB D-Series



ZEB D-Series Leather Case



ZEB D-Series Energy Tester

...Underground mining

HIGHLIGHTS

- ✗ Our capacitor blasting machines are portable units suitable to ignite electric detonators.
- ✗ D-Series blasting machines of ZEB are mainly consisting of an electro-mechanical generator, a capacitor, a crank and a releasing device.
- ✗ By turning the crank handle the generator produces a high voltage. The generated energy is stored in a capacitor.
- ✗ When the capacitor has accumulated the necessary energy an indicator bulb will light to show the fire ready state.
- ✗ The initiation can be done by pushing the fire push button.
- ✗ This equipment is a high-quality machine developed and manufactured in Germany.

ZEB recommends sending blasting machines to ZEB in a periodic cycle for a check.

DESCRIPTION

The heavy-duty design with aluminum alloy housing painted in a grey hammer-effect finish with all stainless-steel parts is developed for long and reliable service. The charging crank is removable to protect the machine against unauthorized usage.

ZEB D-Series blasting machines can also be supplied with special protection circuits that allow the operation in gassy mines and firedamp situations (methane or coal dust).

The operation is easy. If the capacitor is charged the indicator light on top shows the fire ready-state. Simply push the red fire button to initiate.

The discharge energy immediately reaches its maximum value that ensures a fast and reliable ignition of all applicable detonator types (shown on next page). The maximum number of detonators of a type is defined by the maximum resistances (ohm) of the ignition circuit.

ACCESSORIES

We recommend to store and operate the blasting machine in its **protective leather case**.

To ensure the energy output of the machine we offer a special testing device. The **PG-Series testers** are equipped with high power resistors and a microprocessor the calculate the energy in real time. Status LEDs show the operator OK or Faulty.

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General Specifications

Family	Technology	CE	Protection	Weight [g]	Dimensions [mm]	Temperature [°C]
D-Series	Electro-mechanical	EN13763-26	> IP54	2400	100 * 125 * 155	-20 to +55

Machine Specifications (non permissible)

Voltage [V]	Capacity [µF]	EU Class I [3mJ]	EU Class II [16mJ]	EU Class III [140mJ]	EU Class IV [2500mJ]	SKU
780	16	475 Ω	125 Ω	-	-	EB00.900.0260
1160	30	810 Ω	370 Ω	60 Ω	-	EB00.900.0280

Machine Specifications (permissible)

Voltage [V]	Capacity [µF]	EU Class I [3mJ]	EU Class II [16mJ]	EU Class III [140mJ]	EU Class IV [2500mJ]	SKU
780	16	475 Ω	125 Ω	-	-	EB00.900.0370
1160	30	810 Ω	370 Ω	60 Ω	-	EB00.900.0390

Only permissible machine are allowed to be used in flammable environments like gassy mines/ methane/ coal dust!

SAFETY WARNING

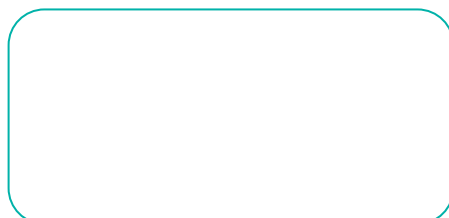
Read the User Manual delivered with the blasting machine carefully before using the product. Only blasting machines with the product extension "K" are allowed to be used in flammable environments such as methane or coal dust. Never touch the terminal clamps, the generated high voltage can cause an electric shock.

DISCLAIMER AND LIMITATION OF LIABILITY

The information contained herein can vary according to the different conditions of storage and use of the products as well as external factors like temperature, humidity and pressure, among others. This product is potentially dangerous; and, therefore, its use and handling must be restricted to the personnel duly qualified and be submitted to applicable laws. The documentation described herein shall not be considered as contractual commitment and its disclosing shall not be able to be treated as a contractual offer. By virtue of this document the Company does not assume any liability nor warranty before third parties.

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